

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10 / 540,215  
Source: PCT - EFS  
Date Processed by STIC: 3-21-06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/21/2006

PATENT APPLICATION: US/10/540,215

TIME: 07:49:30

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Output Set: N:\CRF4\03212006\J540215.raw

Changes

3 <110> APPLICANT: Universitat Leipzig

5 <120> TITLE OF INVENTION: Method and Means for Determining Specific Conditions or

6 in the Uterine Epithelium and in the Epithelium of other Organs

8 <130> FILE REFERENCE: 00401P0004WOUS

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/540,215

C--> 10 <141> CURRENT FILING DATE: 2005-06-20

10 <150> PRIOR APPLICATION NUMBER: DE10260556.4

11 <151> PRIOR FILING DATE: 2002-12-21

13 <150> PRIOR APPLICATION NUMBER: DE10325637.7

14 <151> PRIOR FILING DATE: 2003-06-06

16 <150> PRIOR APPLICATION NUMBER: DE10325636.9

17 <151> PRIOR FILING DATE: 2003-06-06

19 <160> NUMBER OF SEQ ID NOS: 18

21 <170> SOFTWARE: PatentIn version 3.3

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 20

25 <212> TYPE: DNA

26 <213> ORGANISM: artificial

28 <220> FEATURE:

29 <223> OTHER INFORMATION: Primer 1 (beta-hCG gesamt)

31 <300> PUBLICATION INFORMATION:

32 <301> AUTHORs: Lindholm-Miller A.K. Labenz C.J., Ramey J., Bedows E., Ruddon

33 R.W.

34 <302> TITLE: Human Chorionic Gonadotropin-beta-Gene Expression in First

35 Trimester Placenta

36 <303> JOURNAL: Endocrinology

37 <304> VOLUME: 138

38 <305> ISSUE: 12

39 <306> PAGES: 5459-5465

40 <307> DATE: 1997

42 <400> SEQUENCE: 1

43 tcacttcacc gtggtctccg 20

46 <210> SEQ ID NO: 2

47 <211> LENGTH: 20

48 <212> TYPE: DNA

49 <213> ORGANISM: artificial

51 <220> FEATURE:

52 <223> OTHER INFORMATION: Primer 2 (beta-hCG total)

54 <300> PUBLICATION INFORMATION:

55 <301> AUTHORs: Lindholm-Miller A.K. Labenz C.J., Ramey J., Bedows E., Ruddon

56 R.W.

57 <302> TITLE: Human Chorionic Gonadotropin-beta-Gene Expression in First

58 Trimester Placenta

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60 <304> VOLUME: 138
61 <305> ISSUE: 12
62 <306> PAGES: 5459-5465
63 <307> DATE: 1997
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72 <213> ORGANISM: artificial
74 <220> FEATURE:
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87 <223> OTHER INFORMATION: Primer 4 (beta-hCG beta-5, beta-8, beta-3)
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117 ccatgacccg cgtgctgcag ggggtcctgc cggccctgcc tcagggtggg tgcaactacc 600
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121 tctcctacgc cgtggctctc agctgtcaat gtgactctg ccgccgcagc accactgact 720
123 gcgggggtcc caaggaccac cccttgacct gtgatgacct ccgcttcag gcctcctctt 780
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142 aggggagagg actgggggtgc tccgtgagc cactcctgtg cctccctggc cttgtctact 240
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146 cttgccgccc ccacaacccc gaggtatgaa gccagggtaca ccaggcaggg gacgcaccaa 360
148 ggatggagat gttccagggg ctgctgctgt tgctgctgct gagcatgggc gggacatggg 420
150 catccaagga gccacttcgg ccacggtgcc gcccaccaa tgccaccctg gctgtggaga 480
152 aggggggctg ccccggtgctg atcacgctca acaccacat ctgtgccggc tactgcccc 540
154 ccatgacccg cgtgctgcag ggggtcctgc cggccctgcc tcagggtggtg tgcaactacc 600
156 gcatgtgctg cttcgagctc atccggctcc ctggctgccc gcgcggcgctg aaccccgctg 660
158 tctcctacgc cgtggctctc agctgtcaat gtgactctg ccgcgcgagc accactgact 720
160 gcgggggtcc caaggaccac ccttgacct gtgatgacct ccgcttcag gctcctctt 780
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164 ccccgatcct ccacaataa a 861
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169 <212> TYPE: DNA
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177 actgagtctc agaggctact tcaccgtggt ctccgcctca tccttggygc tagaccactg 180
179 aggggagagg actgggggtgc tccgtgagc cactcctgtg cctccctggc cttgtctact 240
181 tctcgccccc cgaagggtta gtgtcsagct cactccagca tcctacaacc tcctgggtggc 300
183 cttgmcgccc ccacaamccc gaggtatraa gccagggtaca ccaggcaggg gacgcaccaa 360
185 ggatggagat gttccagggg ctgctgctgt tgctgctgct gagcatgggc gggacatggg 420
187 catccargga gmyrcttcgg ccacggtgcc gcccaccaa tgccaccctg gctgtggaga 480
189 aggagggctg ccccggtgctg atcacgctca acaccacat ctgtgccggc tactgcccc 540
191 ccatgacccg cgtgctgcag ggggtcctgc cggccctgcc tcagggtggtg tgcaactacc 600
193 gcatgtgctg cttcgagctc atccggctcc ctggctgccc gcgcggcgctg aaccccgctg 660
195 tctcctacgc cgtggctctc agctgtcaat gtgactctg ccgcgcgagc accactgact 720
197 gcgggggtcc caaggaccac ccttgacct gtgatgacct ccgcttcag gctcctctt 780
199 cctcaaaggc cctccccccc agccttccaa gtccatcccg actcccggg ccctcggaca 840
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205 <211> LENGTH: 20
206 <212> TYPE: DNA
207 <213> ORGANISM: artificial
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Primer 8 (beta-hCG beta-5, beta-8, beta-3)
212 <400> SEQUENCE: 8
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216 <210> SEQ ID NO: 9
217 <211> LENGTH: 20
218 <212> TYPE: DNA
219 <213> ORGANISM: artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Primer 9 (beta-hCG beta-6)
224 <400> SEQUENCE: 9

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245 <220> FEATURE:
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288 <210> SEQ ID NO: 15
289 <211> LENGTH: 22
290 <212> TYPE: DNA
291 <213> ORGANISM: artificial
293 <220> FEATURE:
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296 <400> SEQUENCE: 15
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Input Set : N:\efs\10540215\_efs\10540215.txt

Output Set: N:\CRF4\03212006\J540215.raw

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302 <212> TYPE: DNA
303 <213> ORGANISM: artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Primer 16 (beta-hCG beta-7, beta-6, beta-6e)
308 <400> SEQUENCE: 16
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312 <210> SEQ ID NO: 17
313 <211> LENGTH: 165
314 <212> TYPE: PRT
315 <213> ORGANISM: human
317 <400> SEQUENCE: 17
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320 1 5 10 15
323 Gly Thr Trp Ala Ser Lys Glu Met Leu Arg Pro Arg Cys Arg Pro Ile
324 20 25 30
327 Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile Thr
328 35 40 45
331 Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Met Arg Val
332 50 55 60
335 Gly Val Leu Gln Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg
336 65 70 75 80
339 Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val
340 85 90 95
343 Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys Gln Cys Ala Leu
344 100 105 110
347 Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro Leu
348 115 120 125
351 Thr Cys Asp Asp Pro Arg Phe Gln Ala Ser Ser Ser Ser Lys Ala Pro
352 130 135 140
355 Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr
356 145 150 155 160
359 Pro Ile Leu Pro Gln
360 165
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364 <211> LENGTH: 165
365 <212> TYPE: PRT
366 <213> ORGANISM: human
368 <400> SEQUENCE: 18
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374 Gly Thr Trp Ala Ser Arg Glu Met Leu Arg Pro Arg Cys Arg Pro Ile
375 20 25 30
378 Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile Thr
379 35 40 45
382 Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Met Arg Val
383 50 55 60
386 Gly Val Leu Gln Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg

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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 03/21/2006

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TIME: 07:49:31

Input Set : N:\efs\10540215\_efs\10540215.txt

Output Set: N:\CRF4\03212006\J540215.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,8,9,10,11,12,13,14,15,16

VERIFICATION SUMMARY

DATE: 03/21/2006

PATENT APPLICATION: US/10/540,215

TIME: 07:49:31

Input Set : N:\efs\10540215\_efs\10540215.txt

Output Set: N:\CRF4\03212006\J540215.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date